		Adventures in Ad				
		2007 Mathen				
Core Curriculum						
Utah Mathematics						
Grade 3	04-4-	Otan danda				
Activity/Lesson	State	Standards	Order and compare whole numbers on a			
			Order and compare whole numbers on a number line and use the symbols <, >, "not			
Adventures in			equal to," and = when comparing whole			
Aeronautics	UT	MA.3.1.1.d	numbers.			
rororiaatioo		100 0.0.1.1.0	Demonstrate the meaning of multiplication and			
			division of whole numbers through the use of a			
			variety of representations (e.g., equal-sized			
			groups, arrays, area models, and equal jumps			
Adventures in			on a number line for multiplication, partitioning			
Aeronautics	UT	MA.3.1.3.a	and sharing for division).			
			Use a variety of strategies and tools, such as			
			repeated addition or subtraction, equal jumps on			
			the number line, and counters arranged in			
Adventures in			arrays to model multiplication and division			
Aeronautics	UT	MA.3.1.3.b	problems.			
			Demonstrate, using objects, that multiplication			
Adventures in			and division by the same number are inverse			
Aeronautics	UT	MA.3.1.3.c	operations (e.g., 3 x "Square" = 12 is the same as 12 ÷ 3 = "Square" and "Square" = 4).			
Adventures in	O I	IVIA.3.1.3.C	Demonstrate the effect of place value when			
Aeronautics	UT	MA.3.1.3.d	multiplying whole numbers by 10.			
rororiaatioo		1717 (. 0. 1 . 0 . 0	Write a story problem that relates to a given			
			addition, subtraction, or multiplication equation,			
Adventures in			and write a number sentence to solve a problem			
Aeronautics	UT	MA.3.1.3.e	related to the students' environment.			
			Find the sum or difference of numbers, including			
			monetary amounts, using models and strategies			
Adventures in			such as expanded form, compensation, partial			
Aeronautics	UT	MA.3.1.4.b	sums, and the standard algorithm.			
A di			Use the >, <, and = symbols to compare two			
Adventures in	LIT	MASSS	expressions involving addition and subtraction			
Aeronautics	UT	MA.3.2.2.c	(e.g., 4 + 6 3 + 2; 3 + 5 16 - 9).  Describe the part-whole relationships (e.g., 3			
			feet in a yard, a foot is 1/3 of a yard) between			
			metric units of length (i.e., centimeter, meter),			
			and among customary units of length (i.e., inch,			
Adventures in			foot, yard), capacity (i.e., cup, quart), and weight			
Aeronautics	UT	MA.3.4.1.a	(i.e., pound, ounce).			
Adventures in			Measure capacity using cups and quarts, and			
Aeronautics	UT	MA.3.4.1.c	measure weight using pounds and ounces.			
Adventures in			Compare given objects according to measurable			
Aeronautics	UT	MA.3.4.2.b	attributes (i.e., length, weight, capacity).			
Adventures in			Determine elapsed time in hours (e.g., 7:00 a.m.			
Aeronautics	UT	MA.3.4.2.d	to 2:00 p.m.).			

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		2007 Mathen	
		Core Curric	ulum
Utah Mathematics			
Grade 4	Ctoto	Standards	
Activity/Lesson  Adventures in Aeronautics	State UT	MA.4.1.2.b	Order whole numbers up to six digits, simple fractions, and decimals using a variety of methods (e.g., number line, fraction pieces) and use the symbols <, >, and = to record the relationships.
Adventures in Aeronautics	UT	MA.4.1.3.a	Model multiplication (e.g., equal-sized groups, rectangular arrays, area models, equal intervals on the number line), place value, and properties of operations to represent multiplication of a one or two-digit factor by a two-digit factor and connect the representation to an algorithm.
Adventures in Aeronautics	UT	MA.4.1.3.c	Demonstrate the mathematical relationship between multiplication and division (e.g., 3 x = 12 is the same as 12 ÷ 3 = and = 4) and use that relationship to explain that division by zero is not possible.
Adventures in Aeronautics	UT	MA.4.1.4.c	Write a story problem that relates to a given multiplication or division equation, and select and write a number sentence to solve a problem related to the environment.
Adventures in Aeronautics	UT	MA.4.2.1.c	Identify simple relationships in real-life contexts and use mathematical operations to describe the pattern (e.g., the number of legs on a given number of chairs may be determined by counting by fours or by multiplying the number of chairs by 4).
Adventures in Aeronautics	UT	MA.4.4.1.c	Estimate and measure capacity using milliliters, liters, cups, pints, quarts, and gallons, and measure weight using grams and kilograms.
		Adventures in Ae	
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Utah Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	UT	MA.5.1.2.b	Order integers, fractions (including mixed numbers), and decimals using a variety of methods, including the number line.
Adventures in Aeronautics	UT	MA.5.1.4.b	Describe the effect of place value when multiplying and dividing whole numbers and decimals by 10, 100, and 1,000.

Adventures in Aeronautics	UT	MA.5.2.2.a	Use properties and the order of operations involving addition, subtraction, multiplication, division, and the use of parentheses to compute with whole numbers, decimals, and fractions.
Adventures in Aeronautics	UT	MA.5.3.2.c	Specify possible paths between locations on a coordinate plane and compare distances of the various paths.